

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000792

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G05B 21/00, G05B 23/00, D21F 11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G05B, D21F, D21G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0175222 A2 (LAITINEN-VELLONEN, SAKARI), 11 October 2001 (11.10.2001), page 1, line 6 - line 17; page 1, line 6 - line 30; page 1, line 6 - line 36, p.4 li.1-12, p.5 li.21-3, p.6 li. 18-32, fig 1-2, abstract --	1,2
Y	US 2002052712 A1 (A. VOSER ET AL), 2 May 2002 (02.05.2002), pag. 2, [0012-0013, 0018-0020] pag. 4, [0040-0044] --	1,2
Y	US 5825653 A (J. HUOVILA ET AL), 20 October 1998 (20.10.1998), column 2, line 39 - column 3, line 43 --	1,2

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 January 2003

Date of mailing of the international search report

23-01-2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Ender Dag /itw

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000792

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3490689 A (R.H.HART ET AL), 22 May 1963 (22.05.1963), column 19, line 26 - column 21, line 8 --	1,2
A	WO 03074784 A1 (UNIVERSITY OF MANCHESTER INSTITUTE OF SCIENCE & TECHNOLOGY), 12 Sept 2003 (12.09.2003), whole document -- -----	1-7

INTERNATIONAL SEARCH REPORT
Information on patent family members

24/12/2003

International application No.

PCT/FI 2003/000792

WO	0175222	A2	11/10/2001	AU	5229801 A	15/10/2001
				CA	2404968 A	11/10/2001
				EP	1290507 A	12/03/2003
				FI	20000796 A	06/10/2001
				US	2003139904 A	24/07/2003

US	2002052712	A1	02/05/2002	EP	1189126 A	20/03/2002
				US	6587737 B	01/07/2003

US	5825653	A	20/10/1998	AT	232255 T	15/02/2003
				BR	9702174 A	02/03/1999
				CA	2224878 A	23/10/1997
				CN	1114013 B	09/07/2003
				CN	1194677 A	30/09/1998
				DE	69718873 D,T	28/08/2003
				EP	0837966 A,B	29/04/1998
				JP	3248534 B	21/01/2002
				JP	11504996 T	11/05/1999
				WO	9739182 A	23/10/1997

US	3490689	A	22/05/1963	NONE		

WO	03074784	A1	12/09/2003	GB	0205336 D	00/00/0000
